Annexure 1

Consent Form

My decision to take part in the study "***Isolation and Molecular Characterization of DiarrheagenicE.coli in Pediatric Patients***" is voluntary. I understand the risks and benefits of participating in the study. I believe that I have not been unduly influenced by any study team member to participate in the research study by any statements or implied statements.

I understand that information regarding my personal identity will be kept confidential. I freely agree to participate in this research study.

Participant signature_____ Date _____

(day/month/year)

सहमति प्रपत्र

इस अध्ययन में भाग लेने के लिए मेरा निर्णय स्वैच्छिक है।जोखिम और लाभ मुझे समझादियागया है। मेरा मानना है कि अनावश्यक रूप से अध्ययन टीम के सदस्य केकिसी भी बयान या अव्यक्त कथनों द्वारा शोध अध्ययन में भाग लेने के लिए मुझेप्रभावित नहींकिया गया है । मैं समझता हूँ कि इस अध्ययन में मेरी भागीदारी स्वैच्छिक है और मैं किसी भी समय बाहरनिकलसकताहूँ।

मैं समझता हूँ कि मेरी व्यक्तिगत पहचान के बारे में जानकारी गोपनीय रखीजाएगी, मैं इस शोध अध्ययन में भाग लेने के लिए स्वतंत्र रूप से सहमत हूँ।

सहभागी केहस्ताक्षर_____ दिनांक _____

(दिन/माह/वर्ष)

Annexure 2

PROFORMA FOR PATIENTS

Basic details:

Name of patient -
Age
Gender
Date
Address
OPD/IPD No.
Occupation
Contact number
Referred by
Hospital

Specific Detail

Have you taken any antibiotics in the last 15 days? Yes		No
If yes, what antibiotic preparation and when?		
Have you currently taking any other medication? Yes		No
If yes, what and how often?		
Have you noted any blood in your stool samples? Yes		No
Have you noted any mucus in your stool samples? Yes		No
Provide information about you ate for your meals the last 24 hours		
Abdominal Pain	Yes	No
Nausea	Yes	No
Vomiting	Yes	No
Frequency of Stool		
Type of Stool		

Annexure 3

Microbiological profile of patient

DAY 1

Time of sample collection: ……..…..Specimen: .....…….

Macroscopic Observation: Color: ……..... Form of stool: …… Mucus/Blood……

Direct Microscopic Observation:

Direct Gram Staining.....

Culture of specimen on: a. MacConkey Agar b. EMBA c. Sorbitol MacConkey Agar

Incubation temperature and period: …….

DAY 2: Reading of Culture Plates

Colony Characteristics on MacConkey Agar /EMBA/ Sorbitol MacConkey Agar

Media used	Shape	Size	Color	Texture	Lactose fermentation	Growth
MacConkey Agar						
EMB Agar						
Sorbitol MacConkey Agar						

DAY 3:

Biochemical Tests Results:

Indole test	
Methyl Red test	
Voges Proskauer test	
Citrate Utilisation test	
Urease test	
Triple Sugar Iron Agar Test	
Mannitol Fermentation	

Antibiotic Sensitivity Test (Kirby- Bauer Method)

Antibiotics Used	Zone Of Inhibition (mm)	Interpretation
Ampicillin(10mcg)		
Amoxycillin/Clavulanic acid (30mcg)		
Amikacin (30mcg)		
Aztreonam(30mcg)		
Cefoxitin (30mcg)		
Ceftazidime(30mcg)		
Cefepime(30mcg),		
Ceftazidime/Clavulanic Acid (30mcg)		
Co-trimoxazole (25µg)		
Colistin (10mcg)		
Ceftrixone(30mcg),		
Ertapenem (10mcg)		
Gentamycin(10µg)		
Imipenem(10mcg)		
Levofloxacin (5mcg)		
Meropenem(10mcg),		
Netilmycin (10mcg)		
Piperacillin/Tazobactam (30/6 mcg)		
Tigecycline (15mcg)		

Comments on Drug Resistance Pattern: MDR/ Non MDR

PCR Primers used in the Multiplex PCR Assays for the detection of virulence genes of Diarrheagenic *E.coli*

Reference strain	Primers (5´ to 3´)	Target gene	Product size (bp)
EPEC	TGATAAGCTGCAGTCGAATCC	eaeA	229
	CTGAACCAGATCGTAACGGC		
	CACCGTTACCGCAGGTGTGA		
	GTTGCCGCTTCAGCAGGAGT	bfpA	450
ETEC	CTCTATGTGCACACGGAGC		
	CCATACTGATTGCCGCAAT	elt	322
	TCTTTCCCCTCTTTTAGTCAGTC		
	CCGCACAGGCAGGATTAC	Stla	170
EAEC	CTGGCGAAAGACTGTATCAT		
	CAATGTATAGAAATCCGCTTT	CVD432	630

Performed by -

……

Checked by -

……..